

Name: \_\_\_\_\_

**p1105: Factoring when  $a = \text{prime}$  (v26)**

1. Factor the expression  $11x^2 + 80x + 21$

$$(11x + 3)(x + 7)$$

2. Factor the expression  $5x^2 - 43x + 24$

$$(5x - 3)(x - 8)$$

3. Factor the expression  $2x^2 + 5x - 18$

$$(2x + 9)(x - 2)$$

4. Factor the expression  $2x^2 + 13x + 20$

$$(2x + 5)(x + 4)$$

5. Factor the expression  $5x^2 + 18x + 9$

$$(5x + 3)(x + 3)$$

6. Factor the expression  $2x^2 - 17x + 8$

$$(2x - 1)(x - 8)$$

7. Factor the expression  $2x^2 + 19x + 35$

$$(2x + 5)(x + 7)$$

8. Factor the expression  $7x^2 + 25x - 12$

$$(7x - 3)(x + 4)$$

9. Factor the expression  $11x^2 + 69x + 18$

$$(11x + 3)(x + 6)$$

10. Factor the expression  $7x^2 + 3x - 4$

$$(7x - 4)(x + 1)$$